

Notice of Allowability

Application No.

10/823,949

Examiner

Steven M Marsh

Applicant(s)

OH, BYEONG CHAN

Art Unit

3632

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's communication received on April 13, 2004.
2. ☒ The allowed claim(s) is/are 1-3.
3. ☒ The drawings filed on 13 April 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 04132004
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

This is the first office action for U.S. Application 10/823,949 for a Seat Track for Vehicles filed by Byeong Chan Oh on April 13, 2004.

Allowable Subject Matter

Claims 1-3 are allowed. The following is an examiner's statement of reasons for allowance: The prior art does not disclose a seat track for vehicles with the following: a fixed rail having a horizontal bottom fixed piece, a pair of first and second grooves formed by bending both side portions of the fixed piece at a right angle and rounding a center portion of each of the resulting vertical bent portions to have an outwardly convex semi-circular form for allowing balls to be inserted therein, a first end piece formed by downwardly bending a vertical end portion of the second groove by an acute angle, a vertical piece extending upwardly from an upper end of the first groove by a relatively long length, and a second end piece formed by twice bending an upper end portion of the vertical piece at a right angle; a movable rail having a seat mounting portion, which has a width slightly narrower than that of the fixed piece of the fixed rail and is coupled at an upper surface thereof to a seat, a pair of first and second vertical walls formed by downwardly bending both side portions of the seat mounting portion at a right angle, first and second grooves formed by bending an end portion of each of the vertical walls so as to form a U-shaped portion and rounding the resulting bent portion to have an inwardly convex semi-circular form for allowing the balls to be inserted therein at the same position as the first grooves of the fixed rail, and a vertical piece extending

Art Unit: 3632

upwardly from an upper end of the first groove; and the balls inserted in spaces defined between the grooves of the fixed rail and movable rail, the balls serving to enable the movable rail to move inside the fixed rail while coming into point contact with the fixed rail.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 4,209,159 to Becker et al.

U.S. Patent 6,572,066 B1 to Paisley et al.

U.S. Patent 6,742,753 B2 to Klahold et al.

U.S. Patent 6,767,029 B2 to Jaudouin et al.

U.S. Patent 5,048,787 to Saitoh

U.S. Patent 5,918,847 to Couasnon

U.S. Patent 6,113,051 to Moradell et al.

U.S. Patent 5,567,013 to Chang

U.S. Patent 6,354,553 B1 to Lagerweij et al.

U.S. Patent 6,761,407 B1 to Goodbred

Art Unit: 3632

U.S. Patent 6,427,962 B1 to Rohee et al.

U.S. Patent 5,961,089 to Soisnard

U.S. Patent 6,648,292 B2 to Flick et al.

The above patents disclose various vehicle seat slide apparatus.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Marsh whose telephone number is (703) 305-0098. The examiner can normally be reached on Monday-Friday from 8:00AM to 4:30 PM. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-2168. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.



Steven M. Marsh

November 29, 2004



LESLIE A. BRAUN
SUPERVISORY PATENT EXAMINER